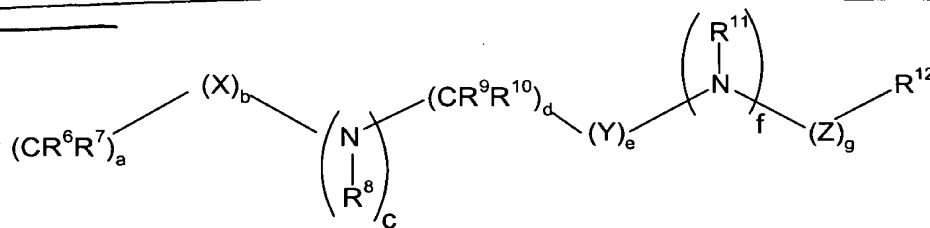


A¹
 the cycloalkyl group is optionally substituted by deuterium, hydroxy, amino, trifluoromethyl, (C₁-C₆)acyloxy, (C₁-C₆)acylamino, (C₁-C₆)alkylamino, ((C₁-C₆)alkyl)₂amino, cyano, cyano(C₁-C₆)alkyl, trifluoromethyl(C₁-C₆)alkyl, nitro, nitro(C₁-C₆)alkyl or (C₁-C₆)acylamino;

Sub
 A¹
 R⁵ is (C₃-C₉)heterocycloalkyl wherein the heterocycloalkyl groups must be substituted by one to five carboxy, cyano, amino, deuterium, hydroxy, (C₁-C₆)alkyl, (C₁-C₆)alkoxy, halo, (C₁-C₆)acyl, (C₁-C₆)alkylamino, amino(C₁-C₆)alkyl, (C₁-C₆)alkoxy-CO-NH, (C₁-C₆)alkylamino-CO-, (C₂-C₆)alkenyl, (C₂-C₆)alkynyl, (C₁-C₆)alkylamino, amino(C₁-C₆)alkyl, hydroxy(C₁-C₆)alkyl, (C₁-C₆)alkoxy(C₁-C₆)alkyl, (C₁-C₆)acyloxy(C₁-C₆)alkyl, nitro, cyano(C₁-C₆)alkyl, halo(C₁-C₆)alkyl, nitro(C₁-C₆)alkyl, trifluoromethyl, trifluoromethyl(C₁-C₆)alkyl, (C₁-C₆)acylamino, (C₁-C₆)acylamino(C₁-C₆)alkyl, (C₁-C₆)alkoxy(C₁-C₆)acylamino, amino(C₁-C₆)acyl, amino(C₁-C₆)acyl(C₁-C₆)alkyl, (C₁-C₆)alkylamino(C₁-C₆)acyl, ((C₁-C₆)alkyl)₂amino(C₁-C₆)acyl, R¹⁵R¹⁶N-CO-O-, R¹⁵R¹⁶N-CO-(C₁-C₆)alkyl, (C₁-C₆)alkyl-S(O)_m, R¹⁵R¹⁶NS(O)_m, R¹⁵R¹⁶NS(O)_m(C₁-C₆)alkyl, R¹⁵S(O)_mR¹⁶N, R¹⁵S(O)_mR¹⁶N(C₁-C₆)alkyl, wherein m is 0, 1 or 2 and R¹⁵ and R¹⁶ are each independently selected from hydrogen or (C₁-C₆)alkyl, or a group of the formula



wherein a is 0, 1, 2, 3 or 4;--

(2) Page 3, lines 7-25:

--Z is carbonyl, C(O)O-, or S(O)_n wherein n is 0, 1 or 2;

A²

R^6 , R^7 , R^8 , R^9 , R^{10} and R^{11} are each independently selected from the group consisting of hydrogen and (C₁-C₆)alkyl optionally substituted by deuterium, hydroxy, amino, trifluoromethyl, (C₁-C₆)acyloxy, (C₁-C₆)acylamino, (C₁-C₆)alkylamino, ((C₁-C₆)alkyl)₂amino, cyano, cyano(C₁-C₆)alkyl, trifluoromethyl(C₁-C₆)alkyl, nitro, nitro(C₁-C₆)alkyl or (C₁-C₆)acylamino;

A² R^{12} is carboxy, cyano, amino, oxo, deuterium, hydroxy, trifluoromethyl, (C₁-C₆)alkyl, trifluoromethyl(C₁-C₆)alkyl, (C₁-C₆)alkoxy, halo, (C₁-C₆)acyl, (C₁-C₆)alkylamino, ((C₁-C₆)alkyl)₂ amino, amino(C₁-C₆)alkyl, (C₁-C₆)alkoxy-CO-NH, (C₁-C₆)alkylamino-CO-, (C₂-C₆)alkenyl, (C₂-C₆) alkynyl, (C₁-C₆)alkylamino, hydroxy(C₁-C₆)alkyl, (C₁-C₆)alkoxy(C₁-C₆)alkyl, (C₁-C₆)acyloxy(C₁-C₆)alkyl, nitro, cyano(C₁-C₆)alkyl, halo(C₁-C₆)alkyl, nitro(C₁-C₆)alkyl, trifluoromethyl, trifluoromethyl(C₁-C₆)alkyl, (C₁-C₆)acylamino, (C₁-C₆)acylamino(C₁-C₆)alkyl, (C₁-C₆)alkoxy(C₁-C₆)acylamino, amino(C₁-C₆)acyl, amino(C₁-C₆)acyl(C₁-C₆)alkyl, (C₁-C₆)alkylamino(C₁-C₆)acyl, ((C₁-C₆)alkyl)₂amino(C₁-C₆)acyl, $R^{15}R^{16}N-CO-O-$, $R^{15}R^{16}N-CO-(C_1-C_6)alkyl$, $R^{15}C(O)NH$, $R^{15}OC(O)NH$, $R^{15}NHC(O)NH$, (C₁-C₆)alkyl-S(O)_m, (C₁-C₆)alkyl-S(O)_m-(C₁-C₆)alkyl, $R^{15}R^{16}NS(O)_m$, $R^{15}R^{16}NS(O)_m(C_1-C_6)alkyl$, $R^{15}S(O)_mR^{16}N$, or $R^{15}S(O)_mR^{16}N(C_1-C_6)alkyl$, wherein m is 0, 1 or 2 and R^{15} and R^{16} are each independently selected from hydrogen or (C₁-C₆)alkyl;

(3) Page 3, line 26 through Page 4, line 26:

A³ R^2 and R^3 are each independently selected from the group consisting of hydrogen, deuterium, amino, halo, hydroxy, nitro, carboxy, (C₂-C₆)alkenyl, (C₂-C₆)alkynyl, trifluoromethyl, trifluoromethoxy, (C₁-C₆)alkyl, (C₁-C₆)alkoxy, and (C₃-C₁₀)cycloalkyl wherein the alkyl, alkoxy or cycloalkyl groups are optionally substituted by one to three groups selected from halo, hydroxy, carboxy, amino (C₁-C₆)alkylthio, (C₁-C₆)alkylamino, ((C₁-C₆)alkyl)₂amino, (C₅-C₉)heteroaryl, (C₂-C₉)heterocycloalkyl, (C₃-C₉)cycloalkyl or (C₆-C₁₀)aryl; or R^2 and R^3 are each independently (C₃-C₁₀)cycloalkyl, (C₃-C₁₀)cycloalkoxy, (C₁-C₆)alkylamino, ((C₁-C₆)alkyl)₂amino, (C₆-C₁₀)arylamino, (C₁-C₆)alkylthio, (C₆-C₁₀)arylthio, (C₁-C₆)alkylsulfinyl, (C₆-C₁₀)arylsulfinyl, (C₁-

X

A³
C₆)alkylsulfonyl, (C₆-C₁₀)arylsulfonyl, (C₁-C₆)acyl, (C₁-C₆)alkoxy-CO-NH-, (C₁-C₆)alkylamino-CO-, (C₅-C₉)heteroaryl, (C₂-C₉)heterocycloalkyl or (C₆-C₁₀)aryl wherein the heteroaryl, heterocycloalkyl and aryl groups are optionally substituted by one to three halo, (C₁-C₆)alkyl, (C₁-C₆)alkyl-CO-NH-, (C₁-C₆)alkoxy-CO-NH-, (C₁-C₆)alkyl-CO-NH-(C₁-C₆)alkyl, (C₁-C₆)alkoxy-CO-NH-(C₁-C₆)alkyl, (C₁-C₆)alkoxy-CO-NH-(C₁-C₆)alkoxy, carboxy, carboxy(C₁-C₆)alkyl, carboxy(C₁-C₆)alkoxy, benzyloxycarbonyl(C₁-C₆)alkoxy, (C₁-C₆)alkoxycarbonyl(C₁-C₆)alkoxy, (C₆-C₁₀)aryl, amino, amino(C₁-C₆)alkyl, (C₁-C₆)alkoxycarbonylamino, (C₆-C₁₀)aryl(C₁-C₆)alkoxycarbonylamino, (C₁-C₆)alkylamino, ((C₁-C₆)alkyl)₂amino, (C₁-C₆)alkylamino(C₁-C₆)alkyl, ((C₁-C₆)alkyl)₂amino(C₁-C₆)alkyl, hydroxy, (C₁-C₆)alkoxy, carboxy, carboxy(C₁-C₆)alkyl, (C₁-C₆)alkoxycarbonyl, (C₁-C₆)alkoxycarbonyl(C₁-C₆)alkyl, (C₁-C₆)alkoxy-CO-NH-, (C₁-C₆)alkyl-CO-NH-, cyano, (C₅-C₉)heterocycloalkyl, amino-CO-NH-, (C₁-C₆)alkylamino-CO-NH-, ((C₁-C₆)alkyl)₂amino-CO-NH-, (C₆-C₁₀)arylamino-CO-NH-, (C₅-C₉)heteroarylamino-CO-NH-, (C₁-C₆)alkylamino-CO-NH-(C₁-C₆)alkyl, ((C₁-C₆)alkyl)₂amino-CO-NH-(C₁-C₆)alkyl, (C₆-C₁₀)arylamino-CO-NH-(C₁-C₆)alkyl, (C₅-C₉)heteroarylamino-CO-NH-(C₁-C₆)alkyl, (C₁-C₆)alkylsulfonyl, (C₁-C₆)alkylsulfonylamino, (C₁-C₆)alkylsulfonylamino(C₁-C₆)alkyl, (C₆-C₁₀)arylsulfonyl, (C₆-C₁₀)arylsulfonylamino, (C₆-C₁₀)arylsulfonylamino(C₁-C₆)alkyl, (C₁-C₆)alkylsulfonylamino, (C₁-C₆)alkylsulfonylamino(C₁-C₆)alkyl, (C₅-C₉)heteroaryl or (C₂-C₉)heterocycloalkyl.--

(4) Page 5, line 28 through page 6, line 14:

AA
Sub
B³
--(C₃-C₉)Heterocycloalkyl when used herein refers to pyrrolidinyl, tetrahydrofuranyl, tetrahydropyranyl, aziridinyl, oxiranyl, isoxazolidinyl, 1,3-oxazolidin-3-yl, isothiazolidinyl, 1,3-thiazolidin-3-yl, 1,2-pyrazolidin-2-yl, 1,3-pyrazolidin-1-yl, piperidinyl, thiomorpholinyl, morpholinyl, piperazinyl, etc. One of ordinary skill in the art will understand that the connection of said (C₂-C₉)heterocycloalkyl rings is through a carbon or a sp³ hybridized nitrogen heteroatom.

IX